



## Y200B series

### FM Radio broadcast medium to high powered Yagi's FM Radio 87.5-108 MHz



The Y200B series of Yagi antenna are specifically designed and manufactured for directional FM radio broadcast, receive or re-broadcast applications.

Mounting hardware, coaxial feeder cable, connectors and other installation accessories are all available separately.

	Y202B	Y203B	Y204B	Y206B	
Construction	Anodised aluminium or add <b>SS</b> for 304 grade stainless steel Higher powered 1kW capable models available, add -HP				
Frequency range	87.5-108 MHz - FM Radio				
Bandwidth	Specify any 4 MHz when ordering				
Tuning	Factory				
VSWR	<1.2:1 across specified bandwidth				
Number of elements	2	3	4	6	
Gain - nominal	3 dBd	6 dBd	7.5 dBd	9 dBd	
Polarisation	Mount horizontal or vertical as required				
Maximum power	250 Watts - 1kW capable models available				
Impedance	50 Ohms				
H Plane - at 3dBd	135°	93°	74°	58°	
E Plane - at 3dBd	68°	61°	54°	39°	
Front-to-back ratio	15 dB	14 dB	14 dB	16 dB	
Connector	N-type female fitted as standard / -HP models has 7/16" DIN female				
Cable	1.4 metres RG213/ -HP models utilised 1/2" super flex. helical, all rear exit from dipole assembly				
Boom length - at 87.5 MHz	1.2 metres	1.7 metres	2.5 metres	3.4 metres	
Weight	Aluminium Stainless steel	3.2kg 4.0kg	4.0kg 5.0kg	5.5kg 6.9kg	7.0kg 8.8kg
Projected area	0.097m²	0.128m²	0.165m²	0.365m²	
Wind load at 160kph	0.115kN ; 11.728kg	0.152kN ; 15.554kg	0.196kN ; 20.043kg	0.271kN ; 27.656kg	
Strut kit - <u>recommended</u>	YS1-23 - single tension or YS2-23 - dual tension - order separate				
Mounting hardware order separate	Aluminium: 1 x Y2300 + strut kit Stainless steel: 1 x Y2300-SS + strut kit				
Installation tools required	2 x 10mm spanner for element/dipole mounting				
Warranty	2 Years				



N-type female fitted to cable as standard or specify requirements

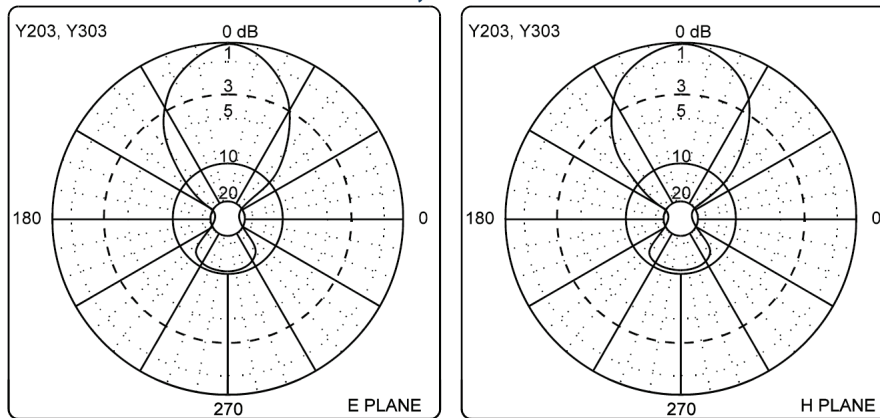


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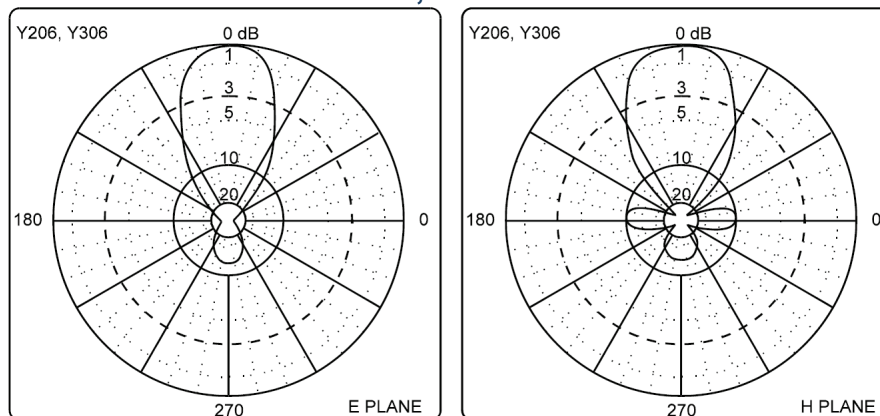
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### Y203B, 3 Element

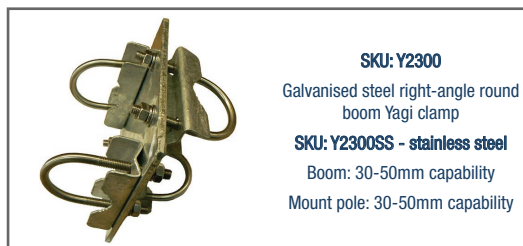


### Y206B, 6 Element



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**SKU: Y2300**

Galvanised steel right-angle round boom Yagi clamp

**SKU: Y2300SS - stainless steel**

Boom: 30-50mm capability

Mount pole: 30-50mm capability



**SKU: Y2300-L**

Galvanised steel large right-angle round boom Yagi clamp

Boom: 32-50mm capability

Mount pole: 55-76mm capability

Also available in stainless steel



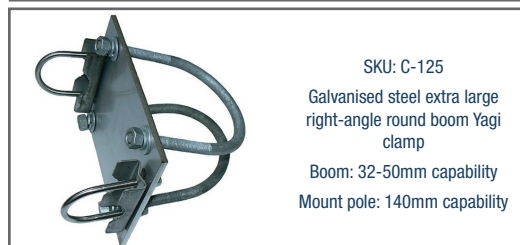
**SKU: Y2300-XL**

Galvanised steel extra large right-angle round boom Yagi clamp

**SKU: Y2300SS-XL - stainless steel**

Boom: 32-50mm capability

Mount pole: 80-90mm capability

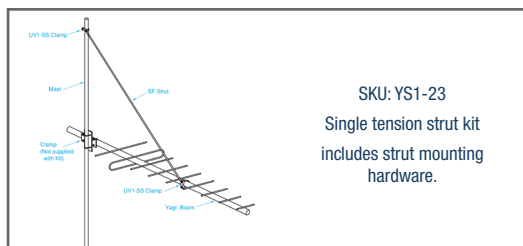


**SKU: C-125**

Galvanised steel extra large right-angle round boom Yagi clamp

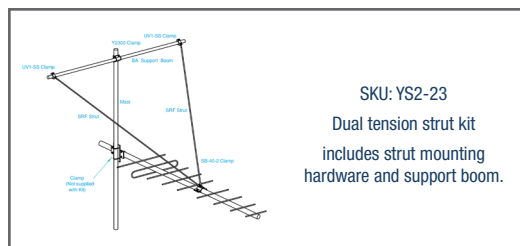
Boom: 32-50mm capability

Mount pole: 140mm capability



**SKU: YS1-23**

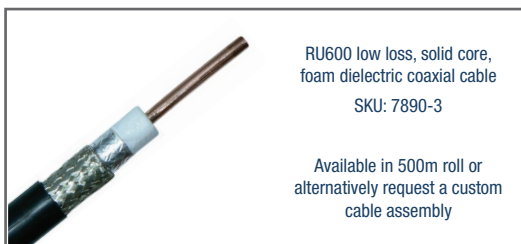
Single tension strut kit includes strut mounting hardware.



**SKU: YS2-23**

Dual tension strut kit includes strut mounting hardware and support boom.

### Suitable feeder coaxial cable and connectors



RU600 low loss, solid core, foam dielectric coaxial cable

**SKU: 7890-3**

Available in 500m roll or alternatively request a custom cable assembly



N-type male clamp connector for 1/2" super flexible, helical shielded coaxial cable

**SKU: 8226-3**

Tri-metal plated



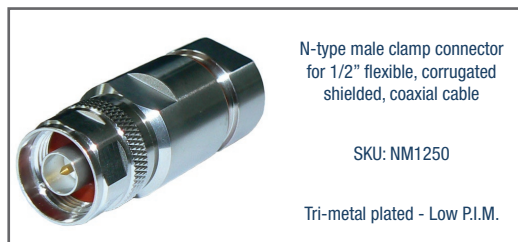
1/2" corrugated shielding, foam dielectric coaxial cable

**SKU: ZCG1250**

Air dielectric. **SKU: ZCG1250-A**

Helical super flex. **SKU: ZCG1250SF**

Available in per metre or 500m rolls or alternatively request a custom cable assembly



N-type male clamp connector for 1/2" flexible, corrugated shielded, coaxial cable

**SKU: NM1250**

Tri-metal plated - Low P.I.M.

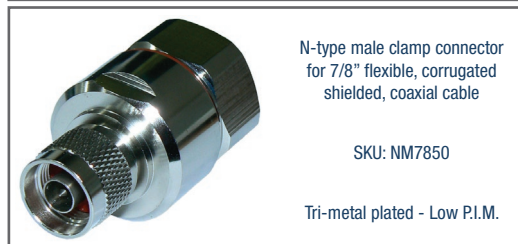


7/8" corrugated shielding, foam dielectric coaxial cable

**SKU: ZCG7850**

Air dielectric. **SKU: ZCG7850-A**

Available in per metre or 500m rolls or alternatively request a custom cable assembly



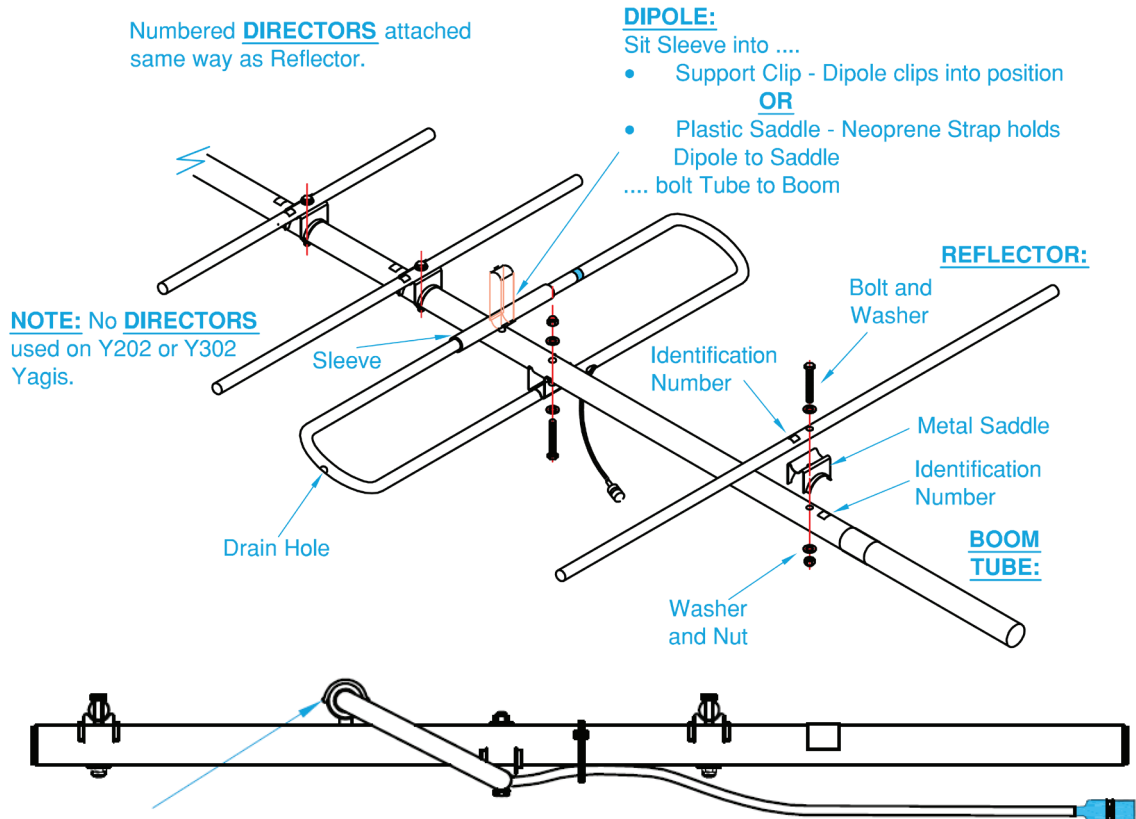
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- Support Clip - Dipole clips into position

### Installation Instructions:

- Place Boom Tube through Dipole in the correct direction.
- Fit Dipole to Boom Tube using Bolt and Washer through Dipole tube, Saddle, Washer and 'Nyloc' Nut.
- Fit insulated side of Dipole into Support Clip (or into Plastic Saddle, using Elastic Strap provided).
- Fit all other Element Tubes to Boom, matching corresponding Numbers on Element and Boom.
- Strap Cable to Boom using Cable Ties or similar (not provided).
- Mounting can be **HORIZONTAL or VERTICAL polarisation:**

For **VERTICAL polarisation**, make sure the **Drain Hole** is facing **downwards**.

For **HORIZONTAL polarisation**, mount the Yagi antenna with **Cable entry slot downwards**.

